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PCT/GB 2003 / 003800 #2
10/526390

INVESTOR IN PEOPLE

The Patent Office
Concept House
Cardiff Road
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NP10 8QQ

REC'D 24 OCT 2003

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(Rule 16)
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 P01/7100 0.00-0720315

Request for grant of a patent

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1.	Your Reference	P51250u GB		
2.	Patent Application number (The Patent Office will fill in this part)	0220315.6 02 SEP 2002		
3.	Full name, address and postcode of the or each applicant (underline all surnames)	Dubois Limited Amasay House Arkwright Road Cozby Northam's NN17 5AE England & Wales		
	Patents ADP Number (if you know it)			
	If the applicant is a corporate body, give the country/state of its incorporation			
4.	Title of the invention	Security Marking		
5.	Name of your agent (if you have one)	Fry Heath & Spence LLP		
	"Address for service" in the United Kingdom to which all correspondence should be sent (including the postcode)	The Old College 53 High Street Horley, Surrey RH6 7BN		
	Patents ADP Number (if you know it)	05880273001		
6.	If you are declaring priority from one or more earlier patent applications, give the country and the date of filing of the or each of these earlier applications and (if you know it) the or each application number.	Country	Priority application number (if you know it)	Date of filing (day / month / year)
7.	If this application is divided or otherwise derived from an earlier UK application, give the number and the filing date of the earlier application.	Number of earlier application	Date of filing (day / month / year)	
8.	Is a statement of inventorship and of right to grant of a patent required in support of this request? (Answer 'Yes' if:	Yes		
	a) any applicant named in part 3 is not an inventor; or			
	b) there is an inventor who is not named as an applicant; or			
	c) any named applicant is a corporate body.			
	(See note (d))			

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Continuation sheets of this form

Description **3** ✓

Claim(s)

Abstract **W**Drawing(s) **2** ✓

10. If you are also filing any of the following, state how many against each item.

Priority documents

Translations of priority documents

Statement of inventorship and right to grant of a patent (*Patents Form 7/77*)Request for preliminary examination and search (*Patents form 9/77*)Request for substantive examination (*Patents form 10/77*)Any other documents
(please specify)

11.

I/We request the grant of a patent on the basis of this application.

Signature

S.G. Unwin

Date

2 September 2002

12. Name and daytime telephone number of person to contact in the United Kingdom

S. G. Unwin 01865 841060

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SECURITY MARKING

This invention relates to a security marking applied to a product and to methods of forming the same.

It is known to apply a security marking in the form of a holographic image to a product, e.g. to a bank note, credit card, a CD or DVD or to a paper cover of a product. A need exists however for an alternative way of marking a product such as a CD or DVD or of increasing the security marking thereof.

According to a first aspect of the present invention, there is provided a container for housing a product such as a CD or DVD, the container having a plastics film about the exterior thereof with a security marking formed on or attached to said film.

Preferably, the security marking comprises a diffractive element, e.g. a hologram.

Preferably, the security marking comprises a repeating pattern, the repeat length of which is smaller than the dimension of the container about which it is applied.

Preferably, the security marking is formed on a strip a length of which is secured to the film.

Preferably, the film is cut from a continuous length or roll of film before or as it is applied to the container.

Preferably, the security marking is applied to the film before or as the film is applied to the container.

Preferably, the film is attached to the container only at opposite edges thereof, e.g. by a weld or strip of adhesive.

Preferably, the security pattern is formed on a carrier sheet, e.g. a thin plastics sheet, e.g. of polypropylene. And, preferably, the film is also formed of polypropylene.

Preferably, the security marking comprises markings in a metallic layer on the carrier sheet.

Prior to application to the film, the metallic layer maybe protected by a removable cover sheet.

Preferably, the carrier sheet is secured to the film by a cold melt adhesive or other cold bonding process.

Preferably, the metallic layer is sandwiched between the carrier sheet and the film.

Preferably, the film is already provided on such products, e.g. If the film is transparent it is used to hold a paper sleeve slid between the outer wall of the container and the film as in a conventional DVD or video cassette container.

Preferably, the security marking has a width in the range 5 - 20 mm and is applied around the container adjacent an edge thereof.

Other features of the invention will be apparent from the following description.

The invention will now be further described, merely by way of example, with reference to the accompanying drawings, in which:

Figure 1 shows elevations of a DVD container with a preferred embodiment of security strip applied thereto;

Figure 2 shows a plan view of another version of a security strip which may be used in place of that shown in Figure 1;

Figure 3 is a schematic diagram illustrating how such a security strip may be applied to a film for application to the container.

Figure 1 shows a conventional DVD container 1 comprising a lid portion 1A and a base portion 1B which are hingedly attached to each other. The container 1 has a plastics film (not shown), e.g. a transparent sheet of polypropylene, around the exterior thereof in the form of a jacket which is attached to the container only along edges 1C and 1D thereof so as to form a sleeve for receiving a paper insert e.g. bearing details of the film or other contents of the DVD housed within the container 1. Figure 1 also shows a security marking in the form of a holographic strip 2 applied around the bottom edge of the container 1, e.g. across the front cover 1A, around the spine and across the back cover 1B.

Figure 2 shows a plan view of another form of holographic security strip 3 which may be used in place of that shown in Figure 1.

Figure 3 is a schematic view illustrating the form and application of such a strip to such a container. The security strip 2 comprises a plastics carrier sheet 2A, a metallic layer 2B in which the security markings are formed and, optionally, a protective cover sheet 2C (shown detached).

Once the cover sheet 2C has been removed, the security strip 2 is applied to a plastic film 3 which is to form a jacket around the container 1 so that the metallic layer 2B is sandwiched between the carrier sheet 2A and the film 3.

The application of security markings as described above is relatively inexpensive, e.g. compared to the application of such markings as discrete labels onto a product, e.g. onto a credit card.

1/2

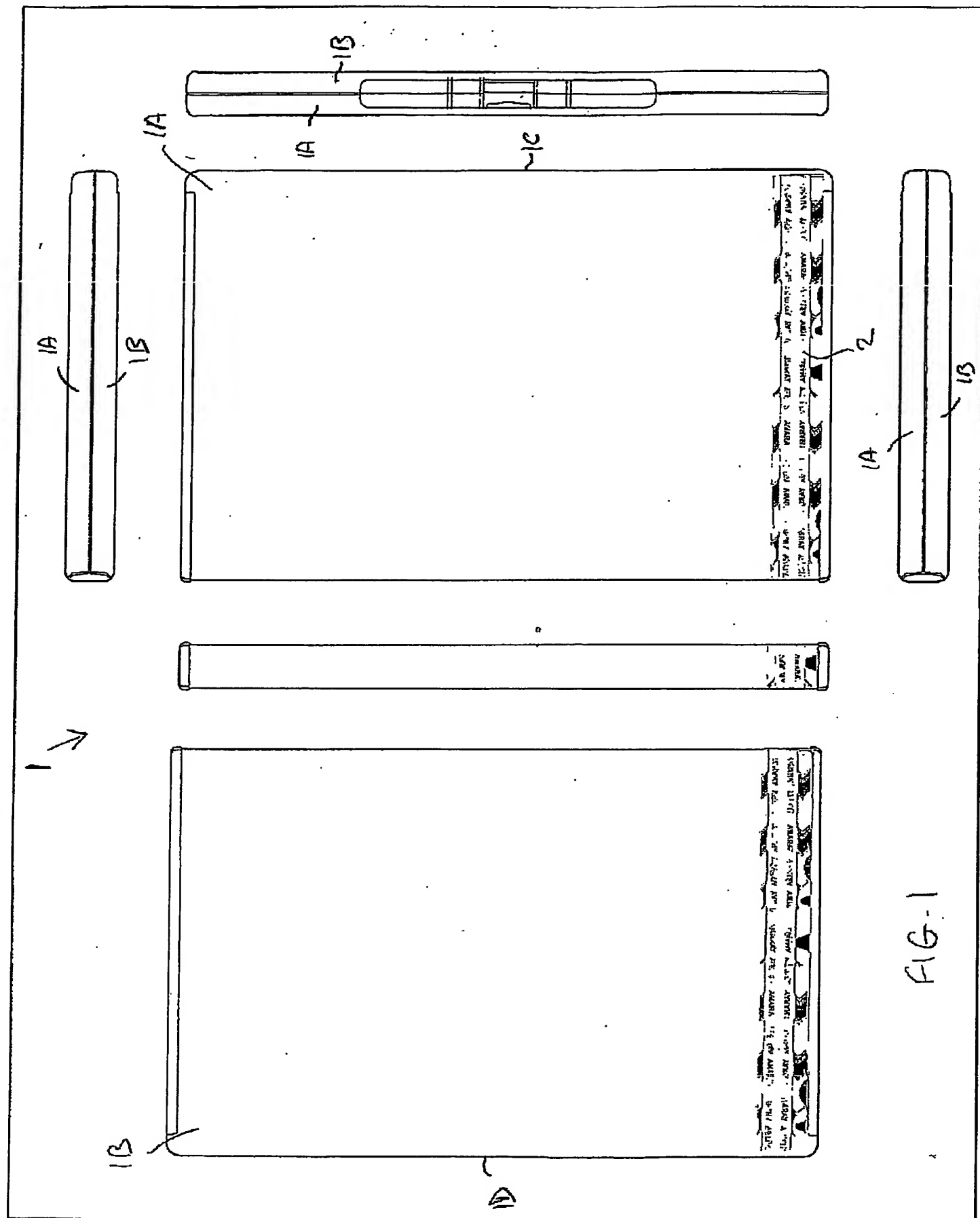


FIG-1

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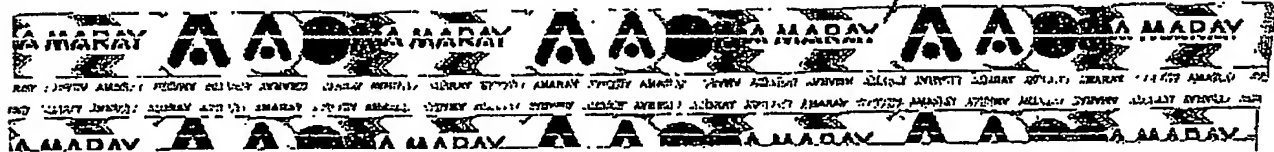


FIG. 2

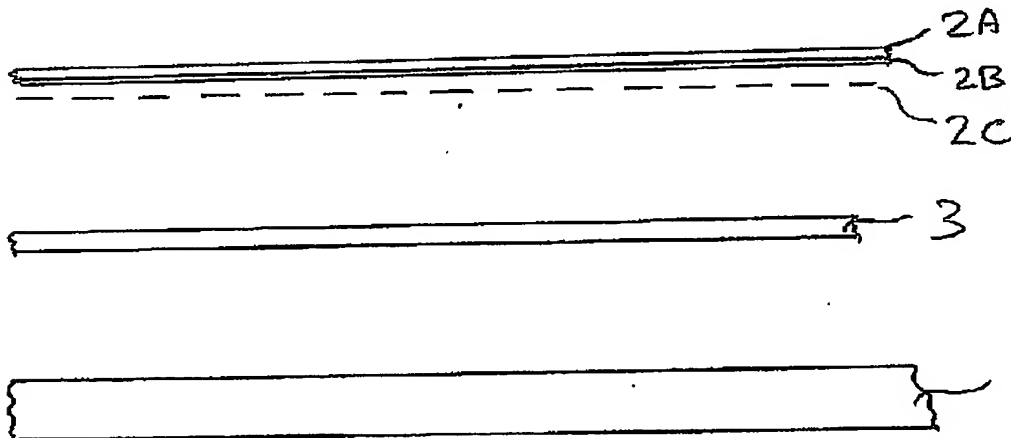


FIG. 3.

PCT Application

GB0303800



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